

FIG. 3

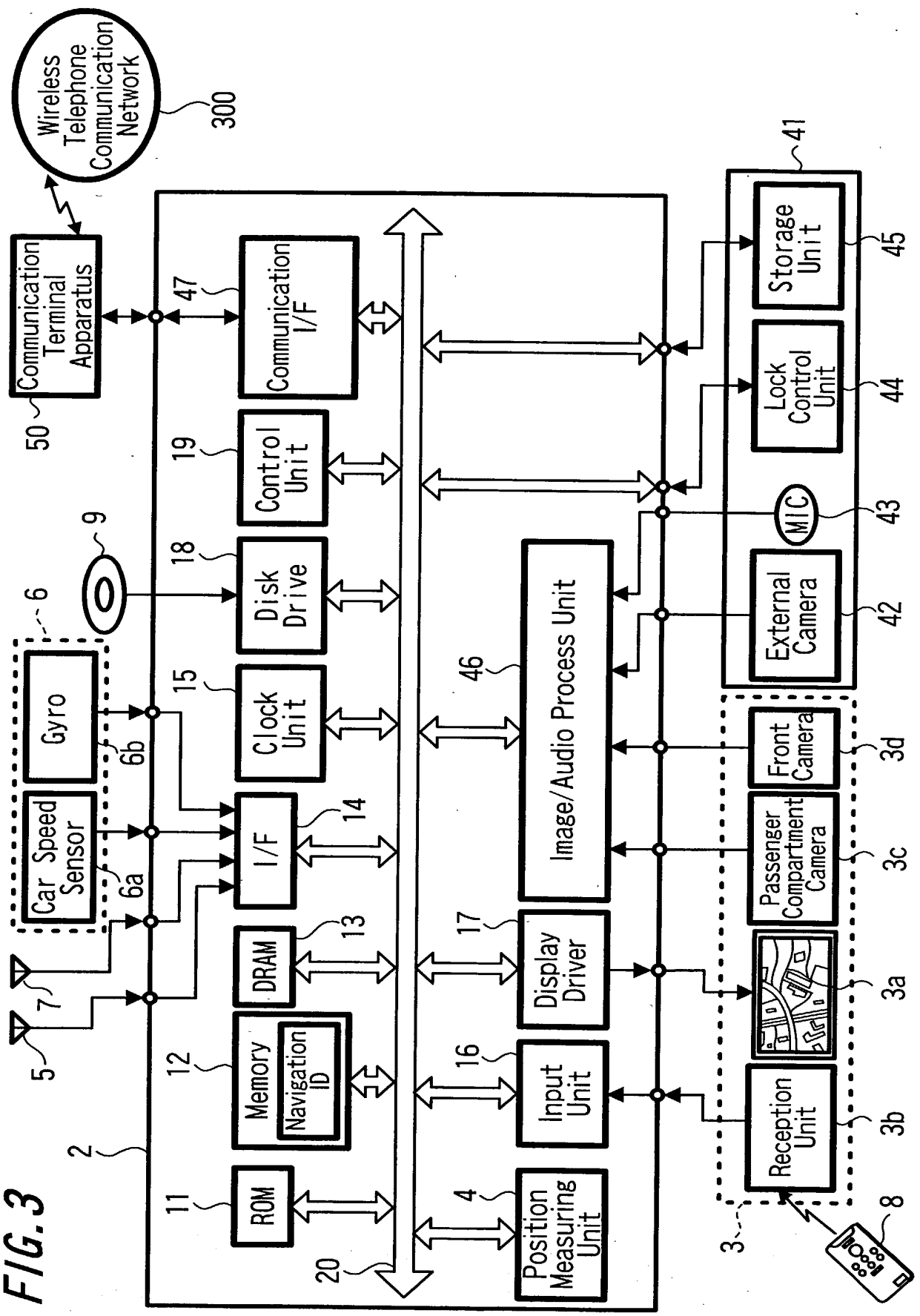


FIG. 4

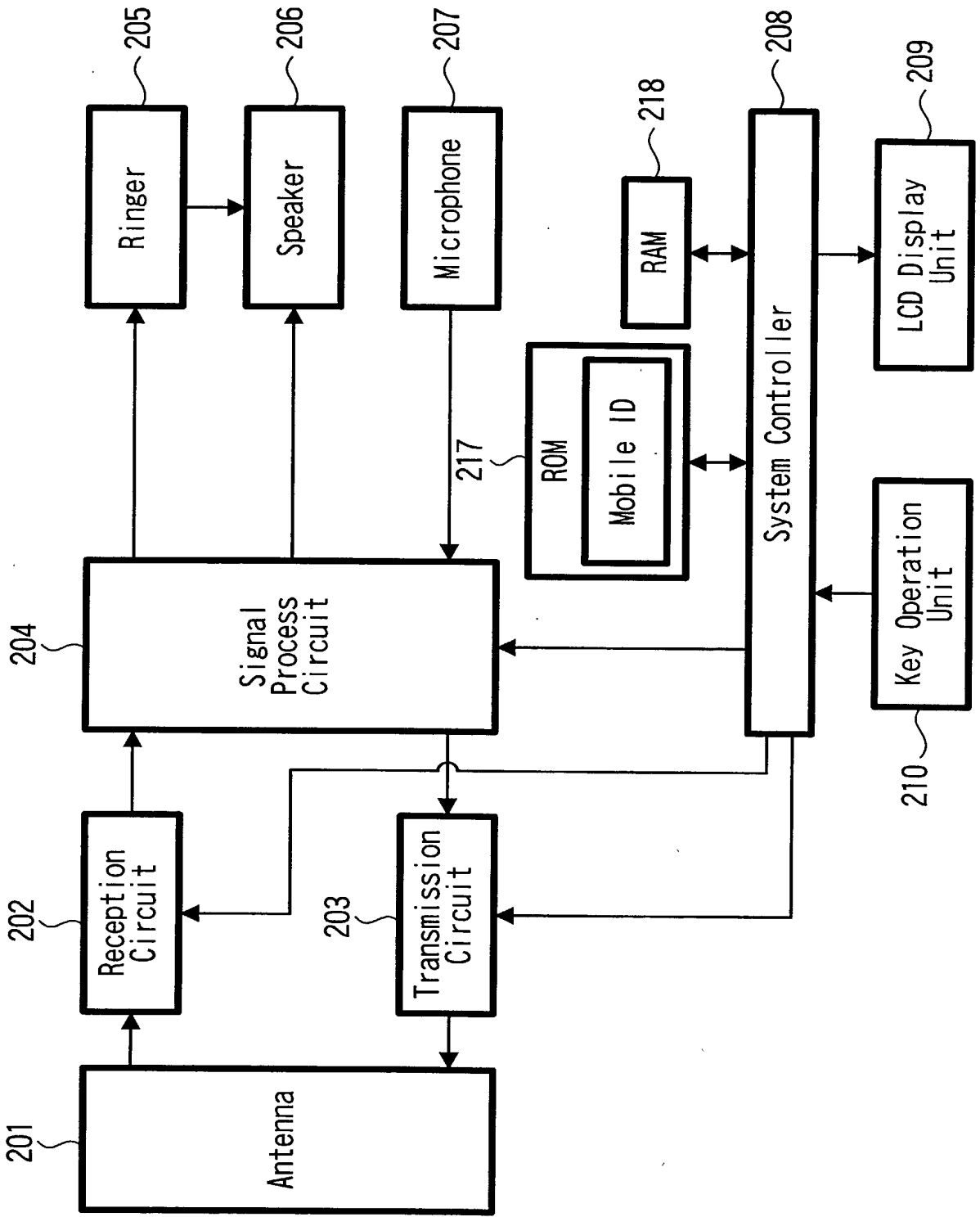


FIG. 5

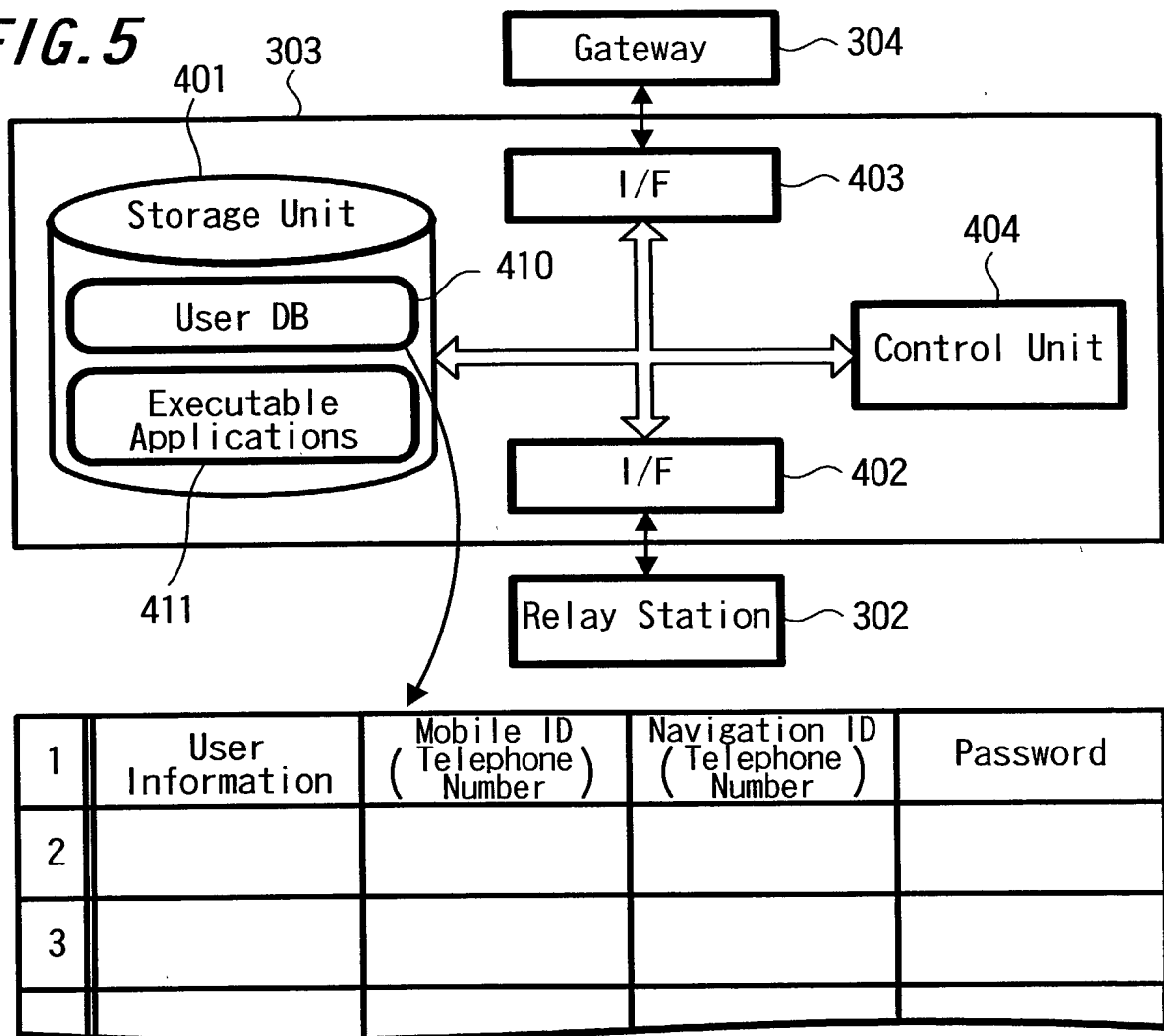


FIG. 6

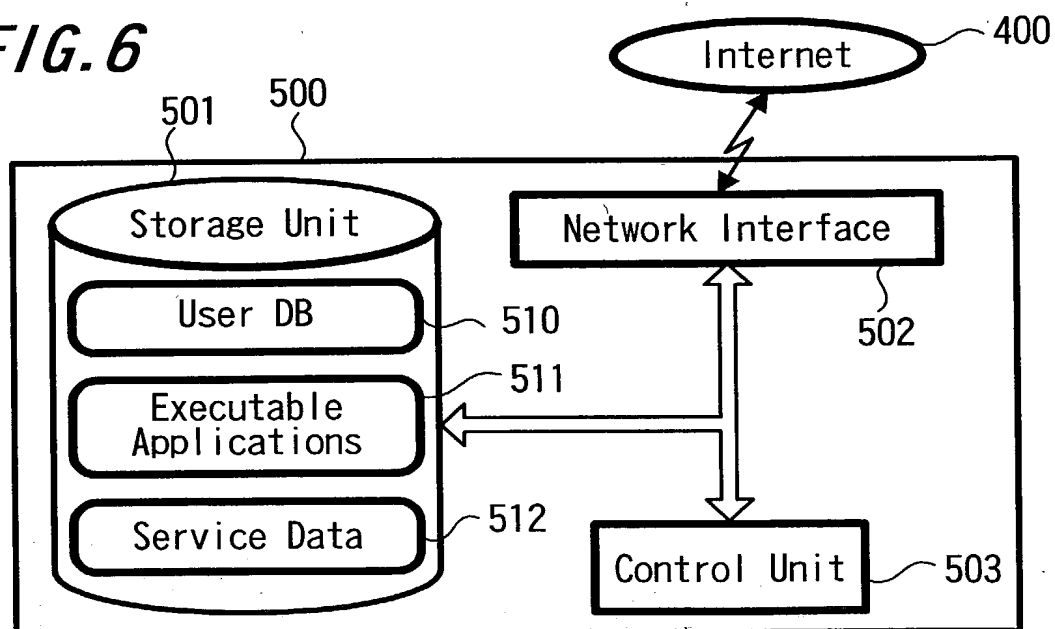
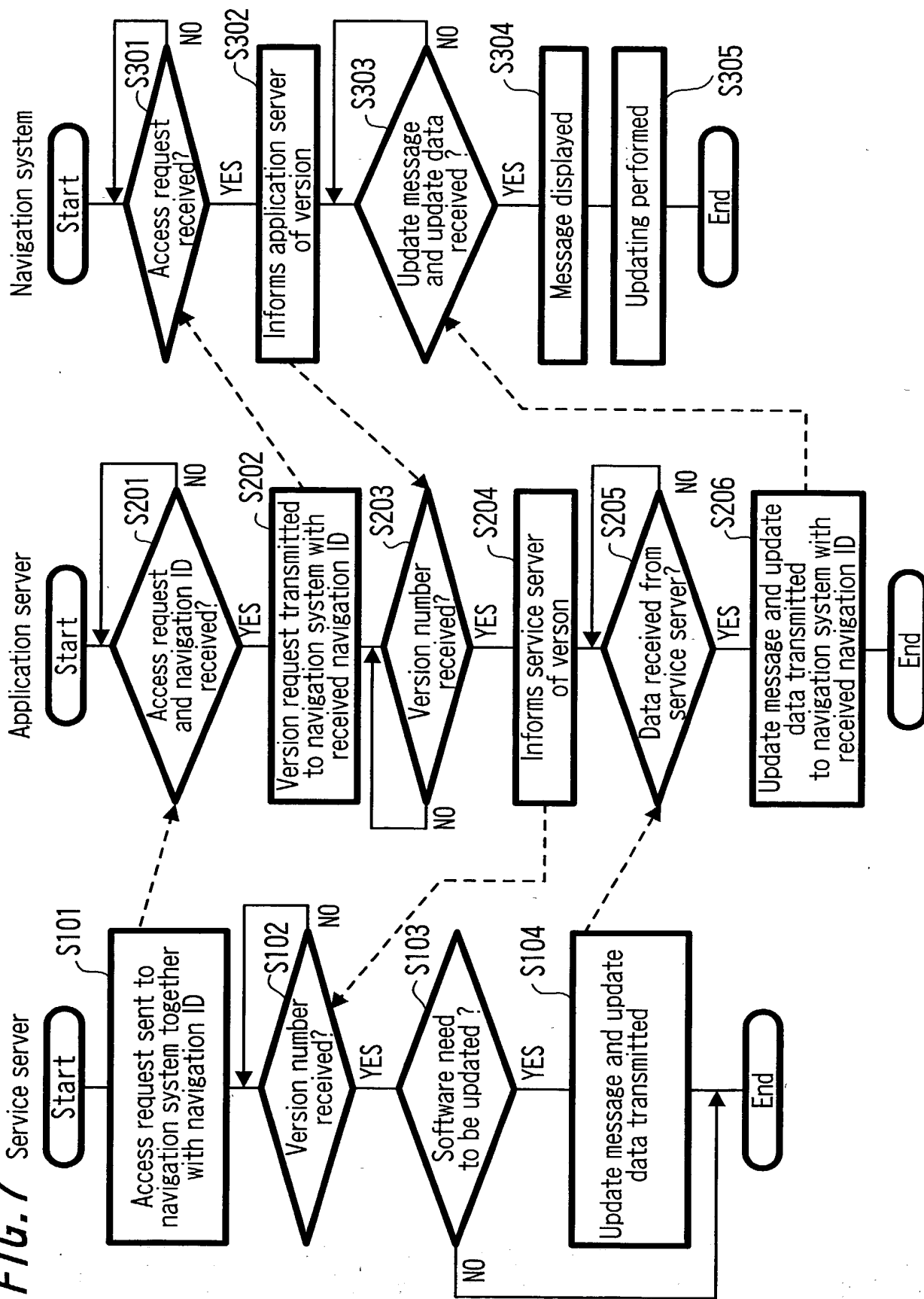


FIG. 7 Service server



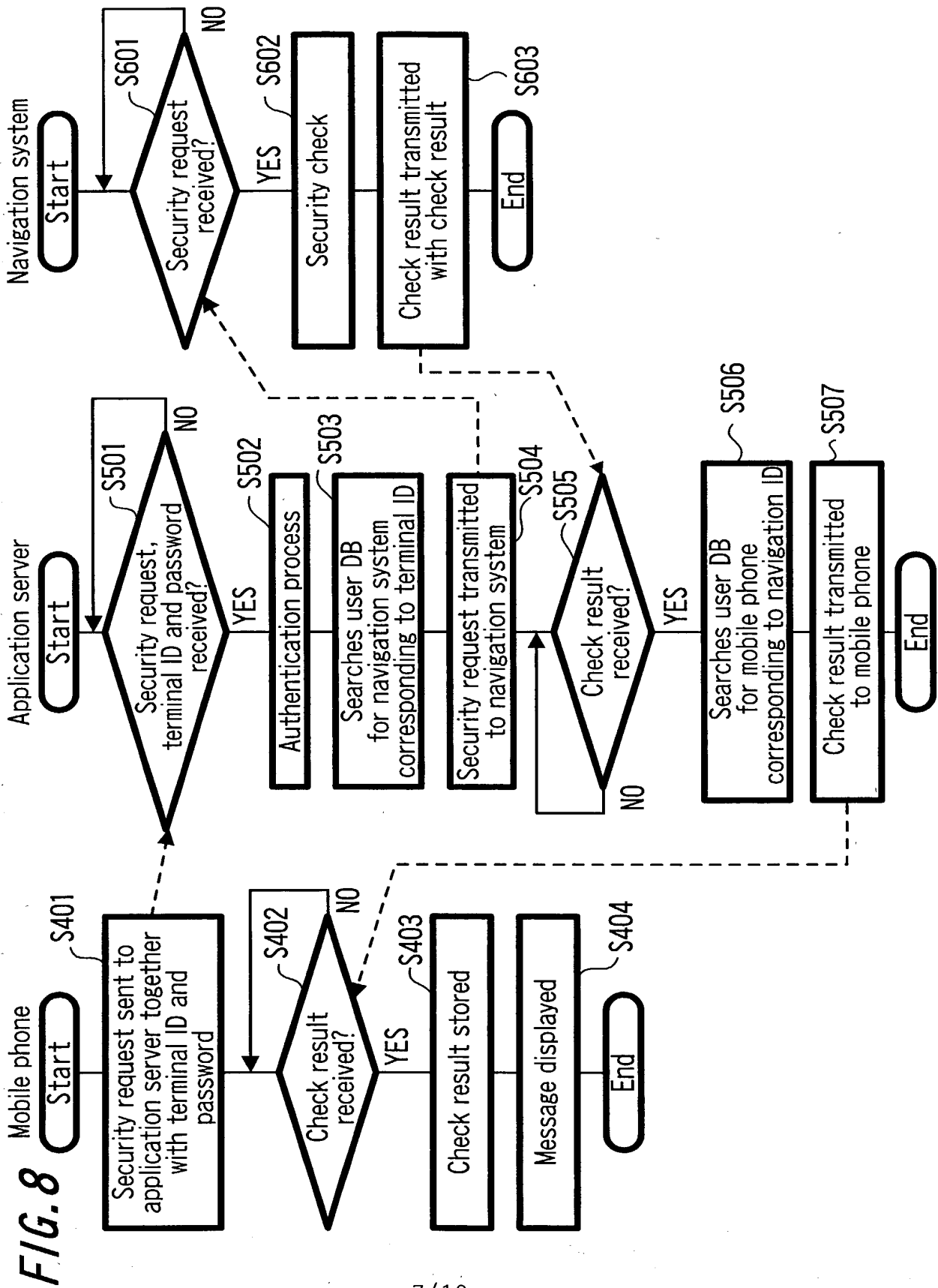


FIG. 9

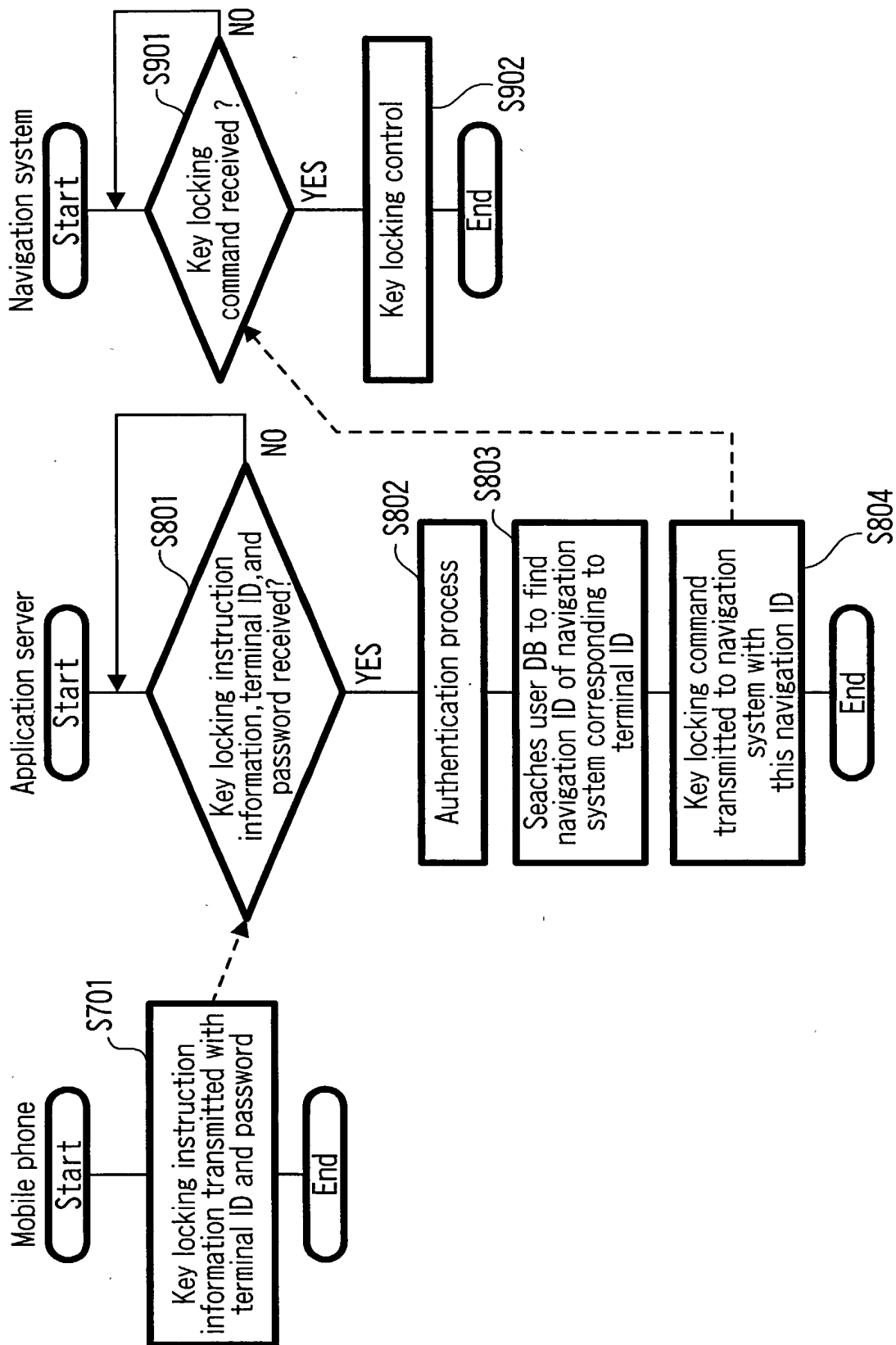


FIG. 10

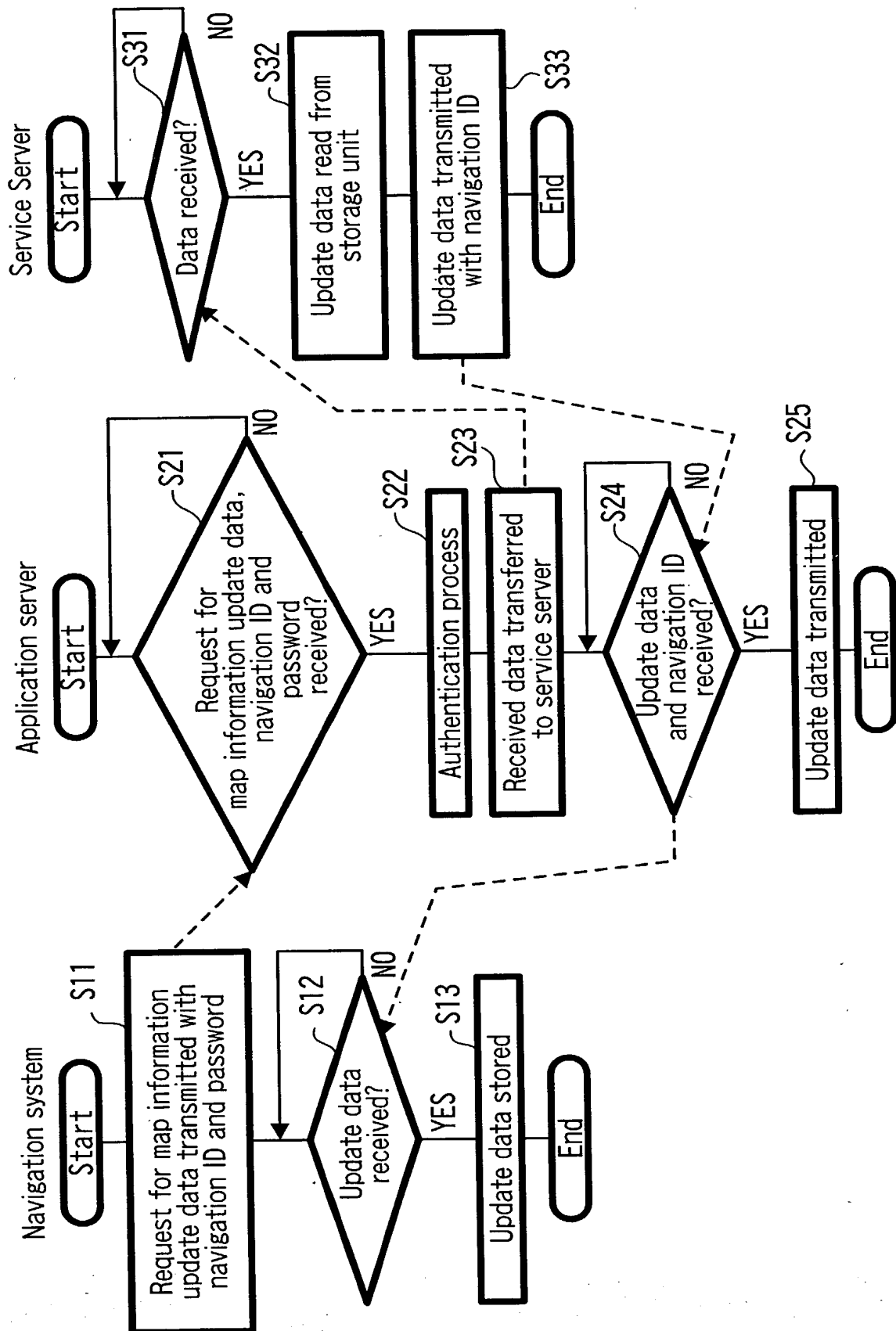


FIG. 11

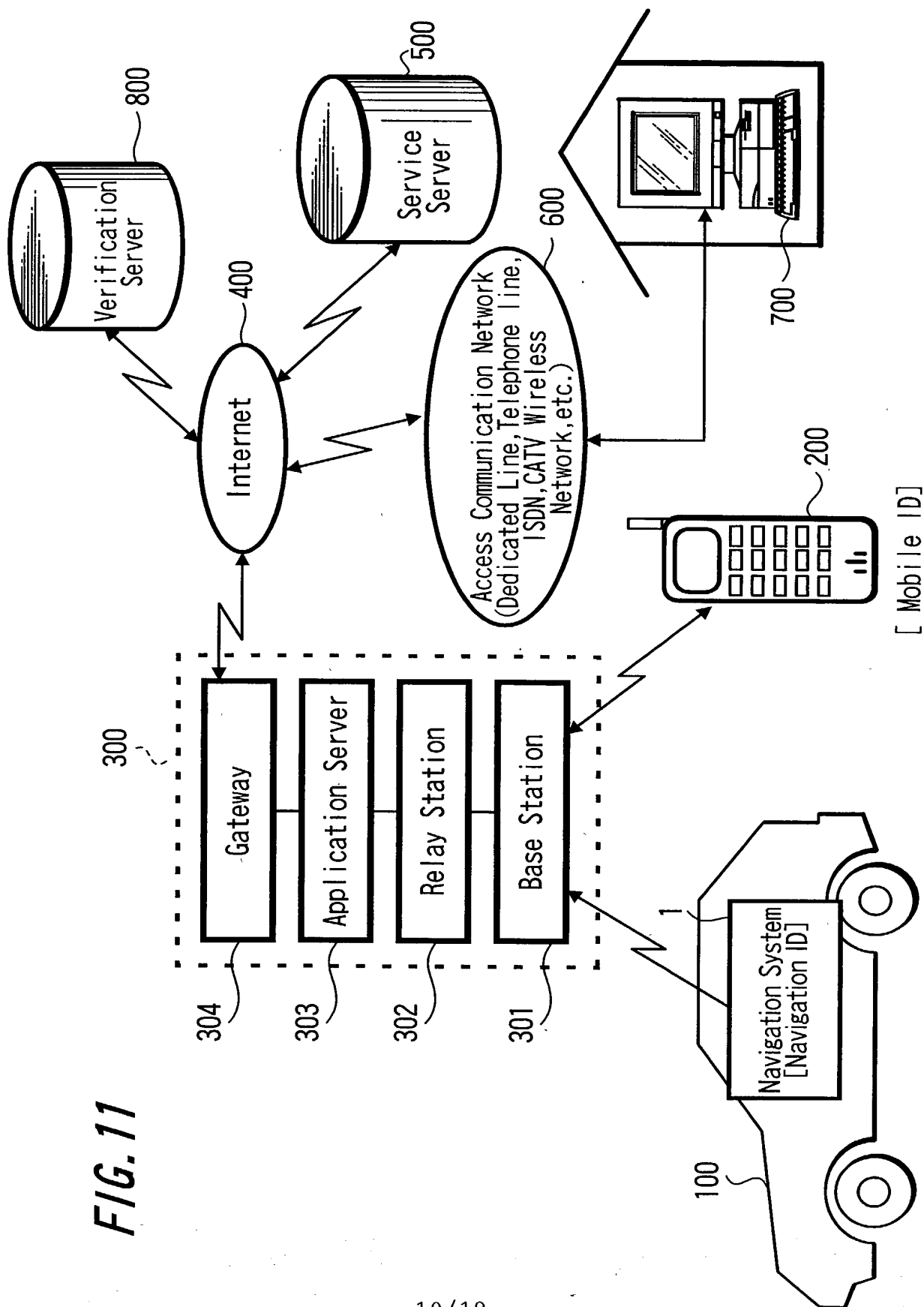


FIG. 12

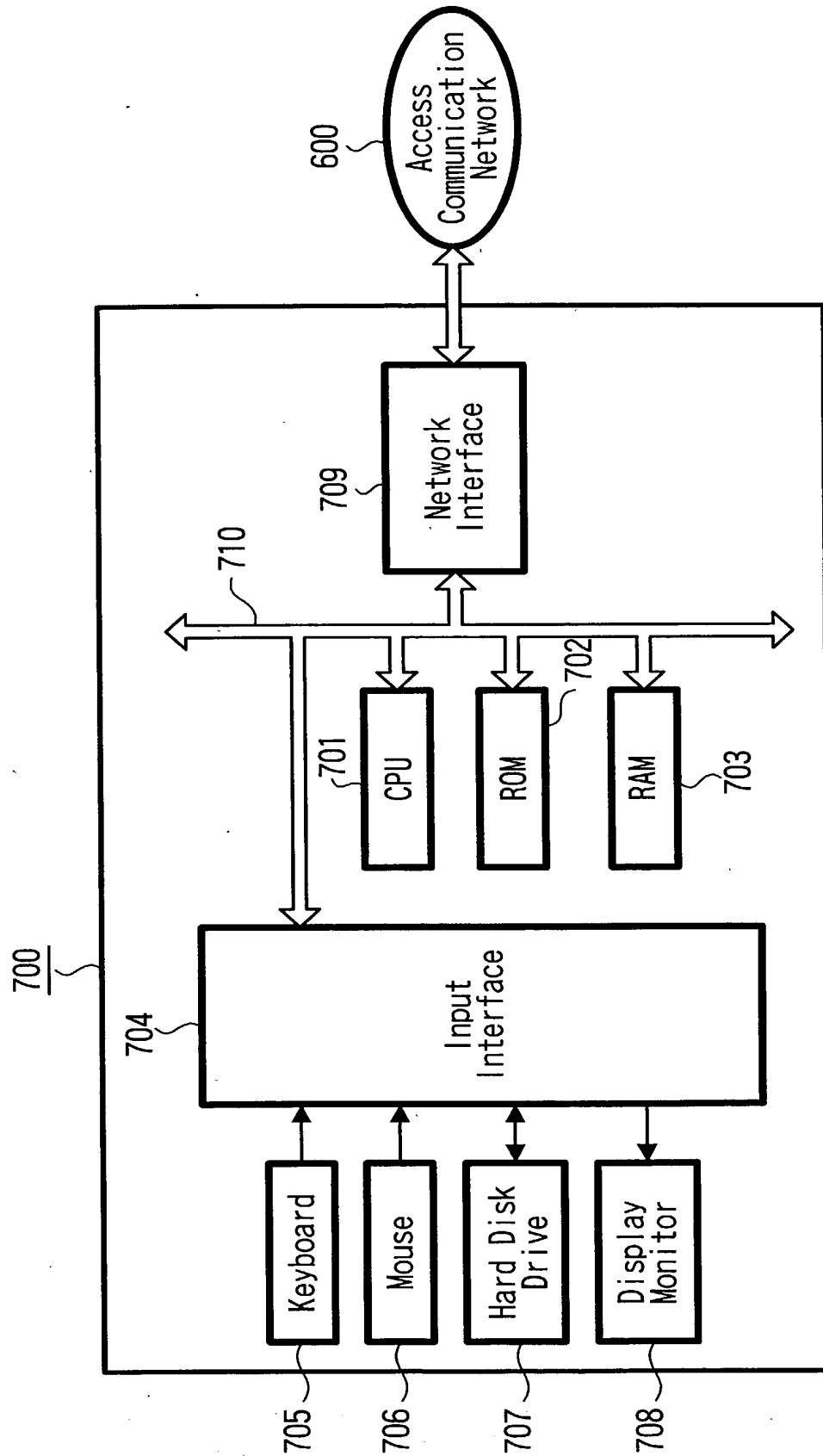


FIG. 13

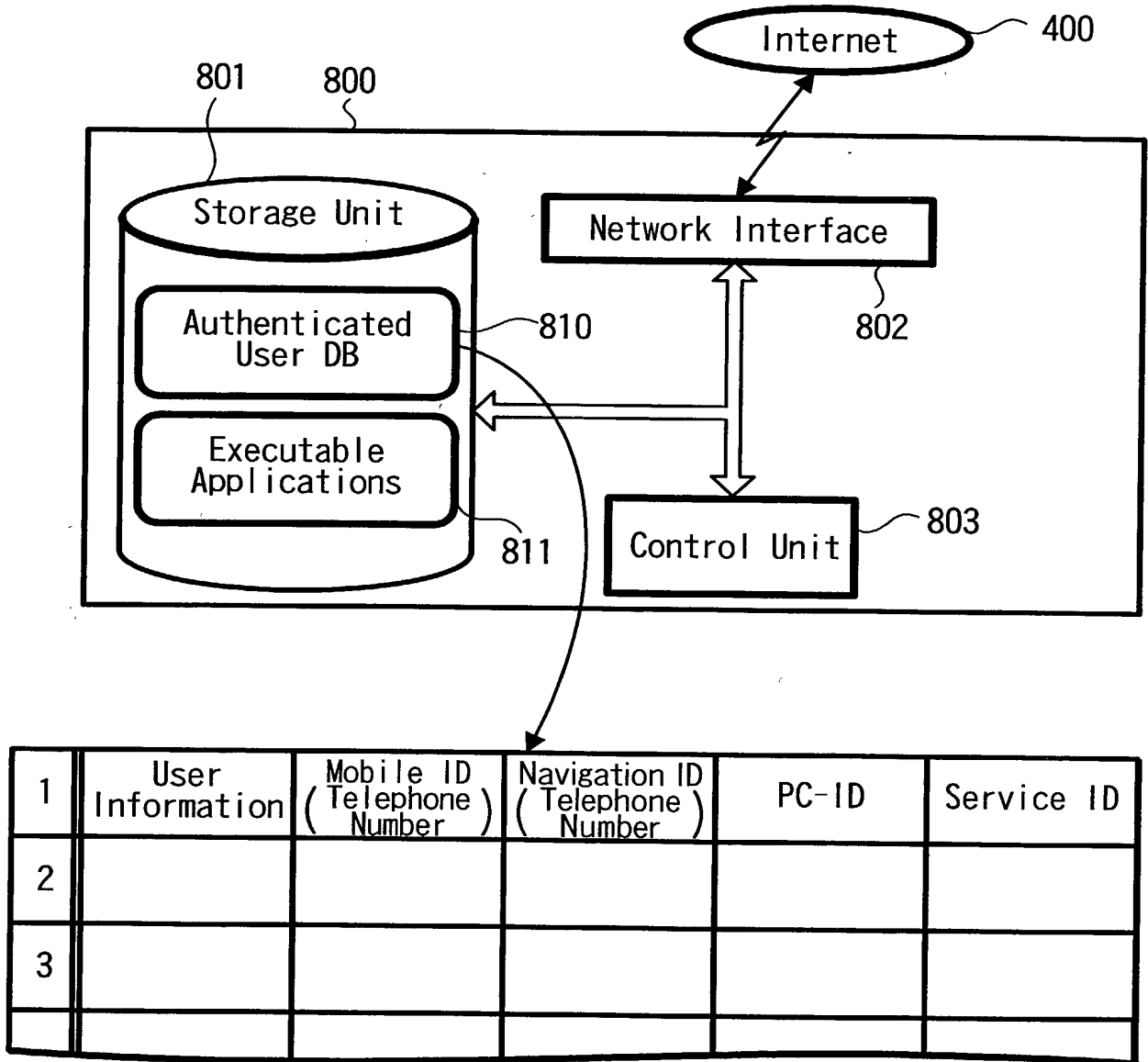


FIG. 14

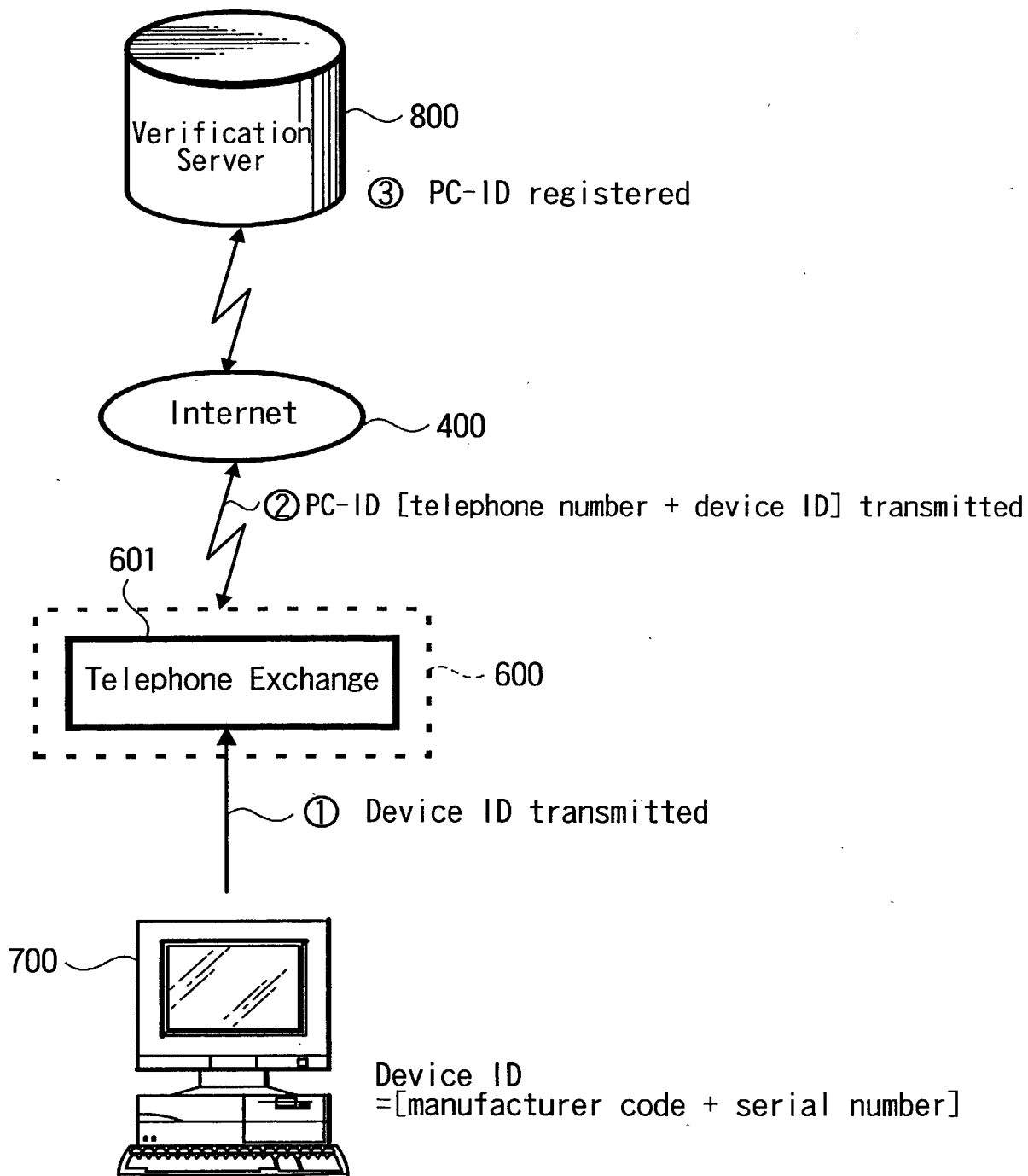


FIG. 15

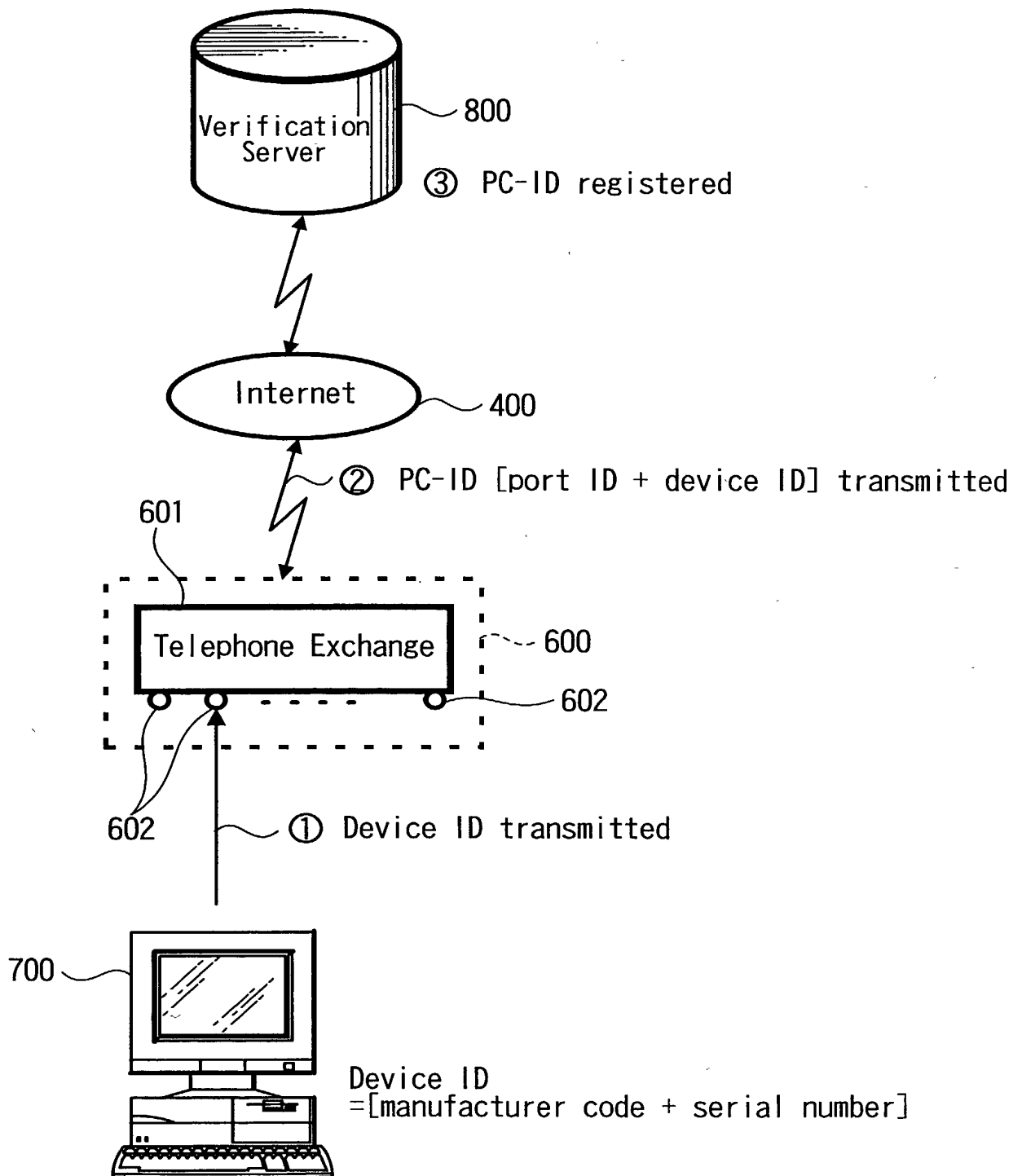


FIG. 16

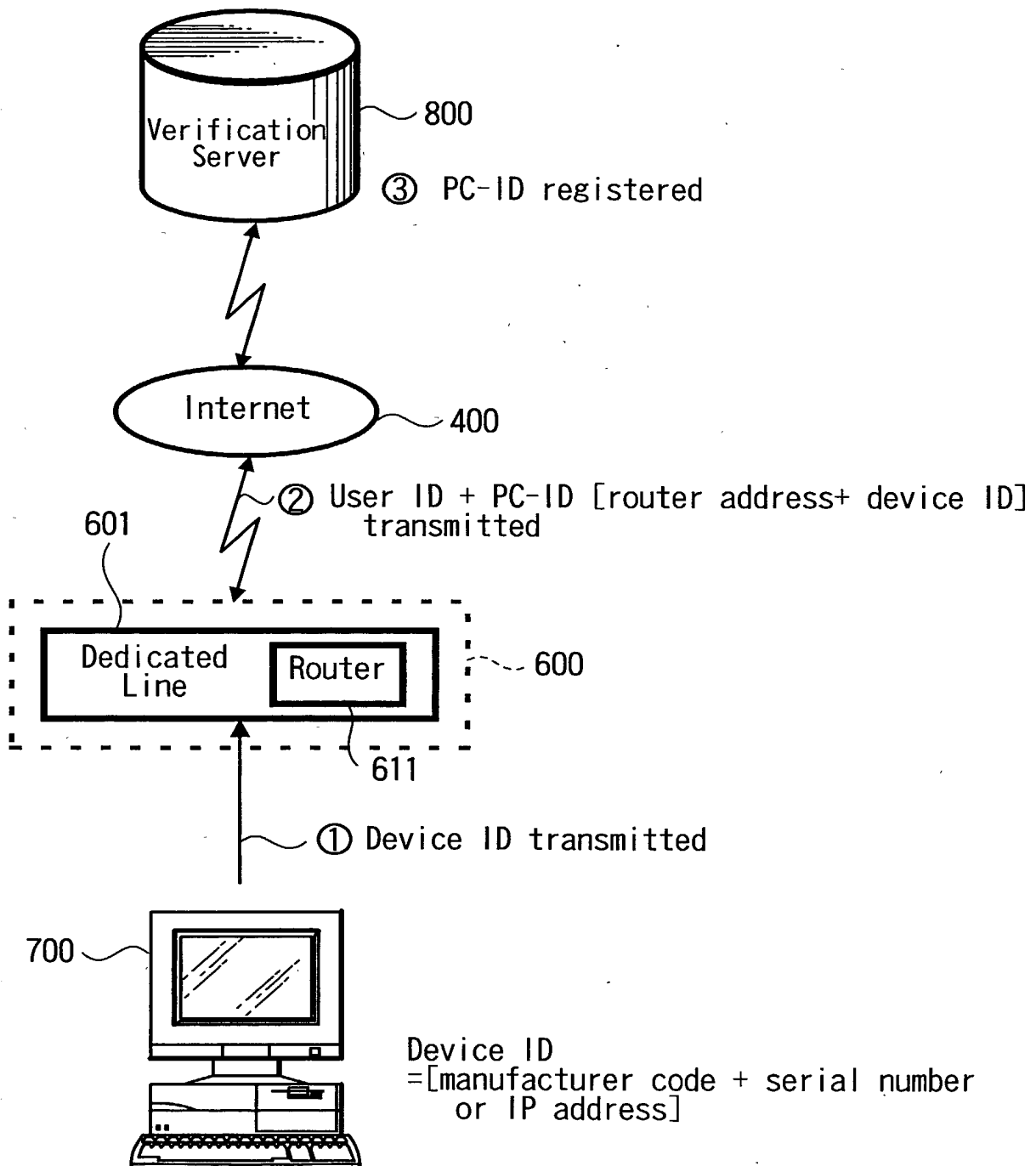
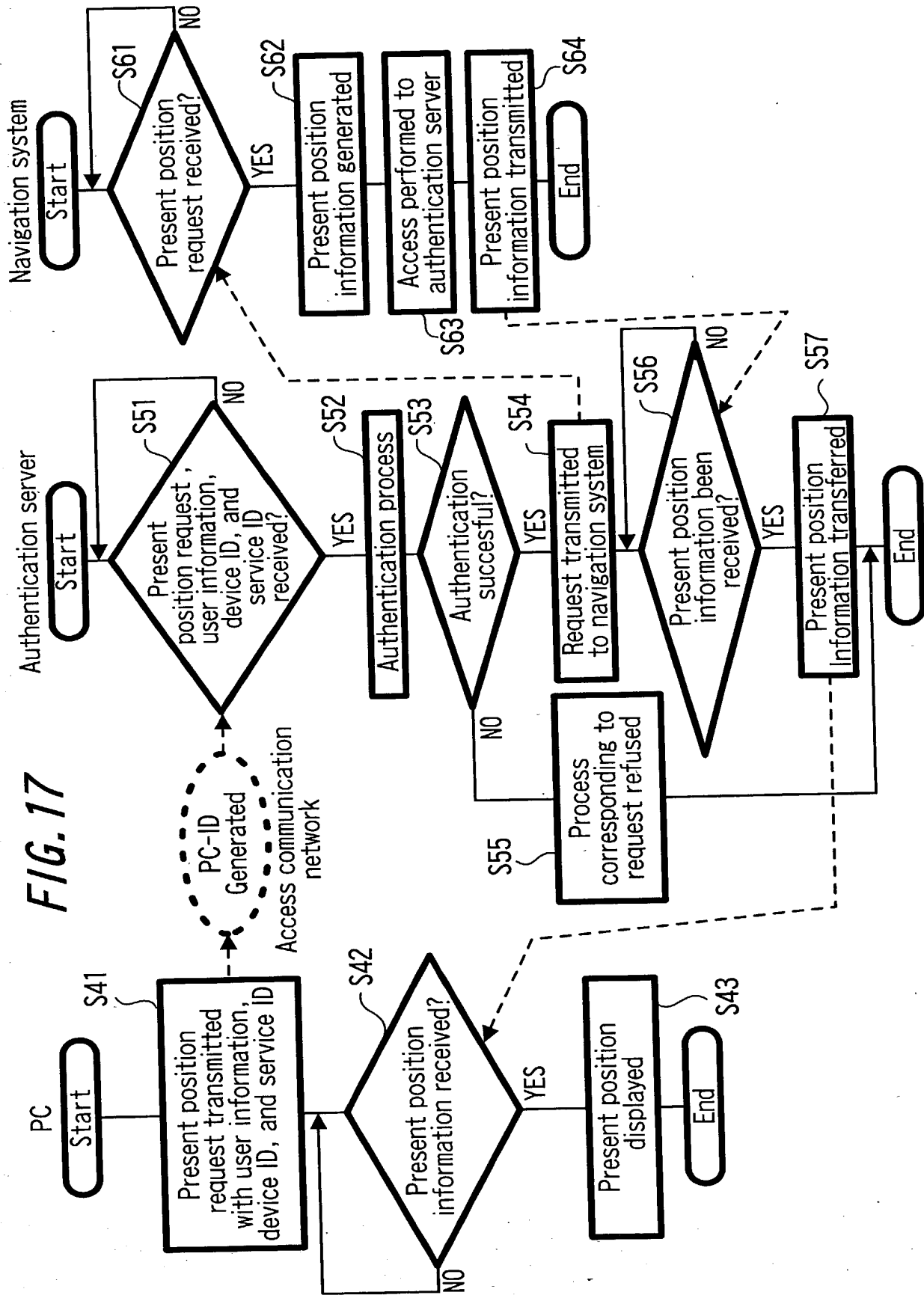


FIG. 17



DESCRIPTION OF REFERENCE NUMERALS

- 1 ... navigation system
- 2 ... main navigation unit
- 3 ... display monitor unit
- 3a ... display screen
- 3b ... reception unit
- 3c ... passenger compartment camera
- 3d ... front camera
- 4 ... position measuring unit
- 8 ... remote controller
- 8a ... emergency key
- 9 ... recording medium
- 11 ... ROM
- 12 ... memory
- 13 ... DRAM
- 14 ... interface
- 15 ... clock unit
- 16 ... input unit
- 17 ... display driver
- 18 ... disk drive
- 19 ... control unit
- 20 ... bus
- 41 ... security system unit
- 45 ... storage unit
- 46 ... image/audio process
unit
- 47 ... communication interface
- 50 ... communication terminal apparatus

200 ... ROM
 201 ... antenna
 202 ... reception circuit
 203 ... transmission circuit
 204 ... signal process
 circuit
 205 ... ringer
 206 ... speaker
 207 ... microphone
 208 ... system controller
 209 ... LCD display unit
 210 ... key operation unit
 217 ... ROM
 218 ... RAM
 301 ... base station
 302 ... relay station
 303 ... application server
 401 ... storage unit
 402,403... interface
 404 ... control unit
 410 ... user database
 411 ... executable applications
 500 ... service server
 501 ... storage unit
 502 ... network interface
 503 ... control unit
 510 ... user database
 511 ... executable applications
 512 ... service data

600 ... access communication network
700 ... personal computer
701 ... CPU
702 ... ROM
703 ... RAM
704 ... input/output interface
705 ... keyboard
706 ... mouse
707 ... hard disk drive
708 ... display monitor
709 ... network interface
710 ... internal bus
800 ... authentication server
801 ... storage unit
802 ... network interface
803 ... control unit
810 ... authenticated user database
811 ... executable applications